

# Alive Underground Drums

For Kontakt 4.2.3+

## User Manual

**ALIVE UNDERGROUND DRUMS**

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# Introduction

Thanks for purchasing Alive Underground Drums!

Alive Underground Drums has been developed by a very small team of people who are passionate about creating the best sounding Kontakt Instruments. It has taken many months of hard work and sleepless nights so please do not share or sell it: you will help us to develop more Kontakt libraries.

AUD has been developed by Nicolas SIGNAT in conjunction with Sampleism.

AUD contains 3 high-end drum kits (Gretsch New Classic, Sonor 3007, Ludwig Legacy), 5 great snares and a host of the finest cymbals on the market.

AUD was entirely recorded in a huge underground car park in high definition (88,2 kHz 24 bit stereo) with a Rode NT4 and a Nagra LB recorder.

Placed at about one meter, the microphone offers a result somewhere between a close mic and an overhead position, with a perfect balance between direct sound and reverberated sound.

Its unique sonority will truly bring character to your music.

Alive Underground Drums is very different from all the virtual drums you've known.



# The Interface

## 1.1 / The Interface / The Mixer Tab

Here is the main page. For each channel, select your instrument, and if necessary adjust its volume and ADSR envelope. You'll be able to compress and equalize each channel using the tabs buttons at the bottom of the page.

The routing : for each instrument, the signal goes first into the ADSR envelope modulator, and then is compressed (if activated), equalized and amplified with the volume faders (Mixer tab).



1 - Instrument selection : For each channel you can choose between several elements from all the available kits (see chapters 2.1 to 2.3 for more details).

2 – Channel tag : The channel instrument type.

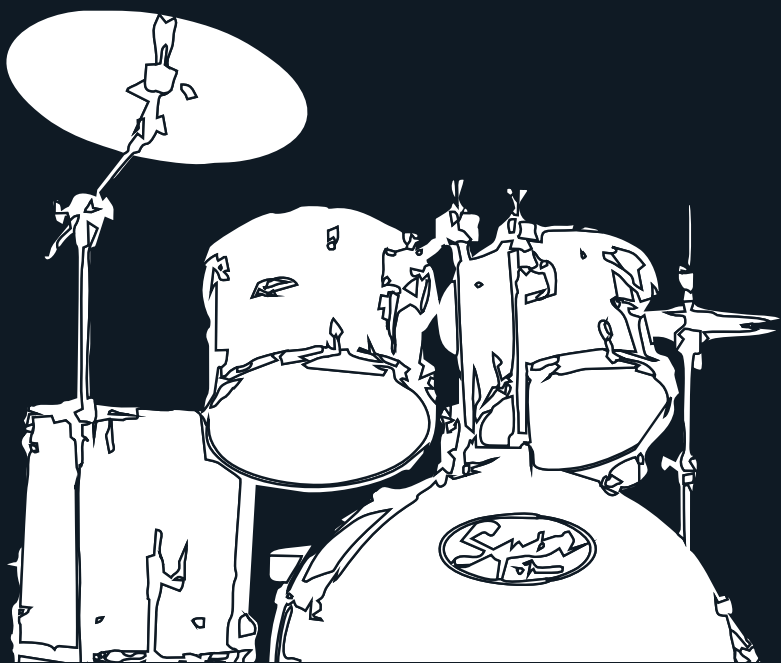
3- Mute and Solo : You can use the first button to mute a channel and the second to mute all other channels except the selected one.

4- Volume Fader : Use this fader to adjust the volume of the instrument.

5 - Link : Use this button to link several channels together. It will link volume faders and ADSR envelopes.

6 - ADSR : These knobs control the envelope of each instrument (Attack, Decay, Sustain, Release).

7 - Tabs : There's a tab for the mixer, another for the compressors page, and a last one for the EQ page. You can switch between them with these buttons.



**\*\* Tip \*\***

Holding the « shift » key while manipulating a knob allows you to be a lot more precise.



# The Interface

## 1.2 / The Interface / The Compressor Tab

Compressors are great to calm loud volumes and cut or accentuate attacks. In AUD there is one compressor by group of samples, so it's almost if each sample has its own processing. That's quite different from compressing a whole bus, thereby it's very interesting (impossible to do with a real drum).



1 – Activation and selection : When you open the 00 basic raw patch, all compressors are bypassed. By selecting a type of compression, you activate the compressor. Start with the Classic and try the Enhanced or Pro modes if you don't get what you want.

2 – Threshold : Set a value from which the compressor will enter in action.

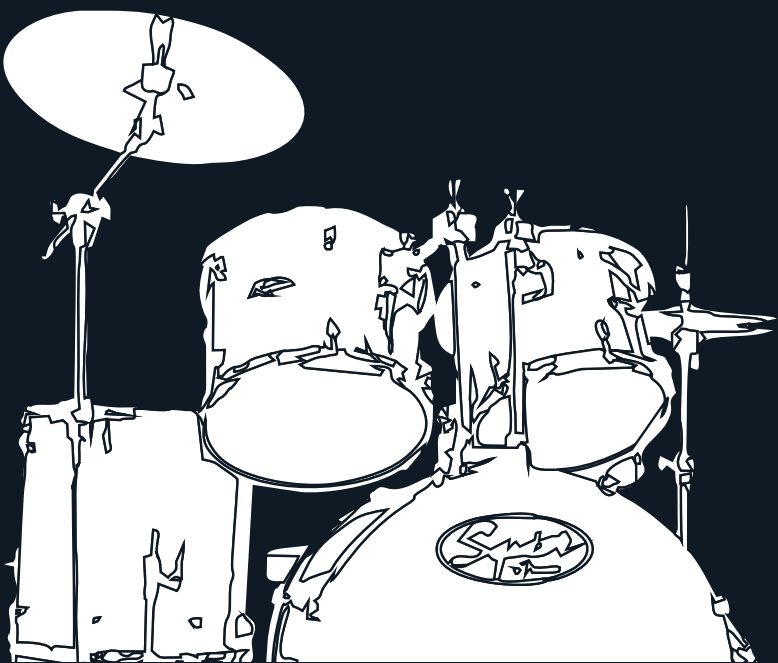
3 – Ratio : Set a value that will determine the amount of compression.

4 – Attack : Set the amount of attack, in milliseconds. Near zero it will cut the natural attack and as you increase it you will have more and more of it, starting from a fast « click » to a full and thick attack.

5 – Release : Set the speed of the compressor release. Actually it will change the behavior of the reverberated sound (fast or slow).

6 – Gain : Since the action of the compressor is to reduce the signal amplitude, we often need a boost to compensate.

7 – Link : You can link several channels to treat many compressors at the same time.



# The Interface

## 1.3 / The Interface / The EQ Tab

With the equalizers you will be able to fit the drums in the mix and add some depth, some brightness, correct aggressiveness etc ...

The LOW and HIGH parts have high Q to be precise and the MID part has a low Q for a larger correction. Knowing that, you can shape the sound to your liking.



1 – Channel Tag : You know where you are.

2 – LOW : You can set the frequency (from 20Hz to 20 kHz) with the outer knob and the gain (from -12dB to +12dB) with the inner one. The LOW equalizer has a high Q, convenient to boost low frequencies with precision.

3 - MID : You can set the frequency (from 20Hz to 20 kHz) with the outer knob and the gain (from -12dB to +12dB) with the inner one. The MID equalizer has a low Q, convenient to modify the whole color of an instrument naturally.

4 - HIGH : You can set the frequency (from 20Hz to 20 kHz) with the outer knob and the gain (from -12dB to +12dB) with the inner one. The HIGH equalizer has a high Q, convenient to boost high frequencies with precision.

5 - Link : Use this button to link several channels together. All values will be linked.





# The Sounds

## 2.1 / The Sounds / The Drum Kits



### The Gretsch New Classic Be-Bop

This little maple kit is a warm jazz kit, with a 16x18" kick, a 8x12" tom and a 14x14" floor tom. Due to its conception, even the hard strokes won't crack a lot. It wears Evans G+ clear drumheads, offering a clear attack with a lot of tone and sustain. « K. 1 » and all « Toms 1 » in the mixer menus belong to the Gretsch kit.



### The Sonor 3007

Another high-end maple kit but with a very modern sound this time : 45 Degree bearing edge with clear pinstripe drumheads. It has a bigger kick (20x20") and 3 toms : 9x10", 10x12" and 14x14". You can chose between two versions of the kick : « K. 2-1 » with the front head (no hole in it, matt sound) and « K. 2-2 » without it (big sound with a slamming attack, almost a mic in sound). All « Toms 2 » in the mixer menus belong to the Sonor 3007 kit.



### The Ludwig Legacy

An outstanding drum, combining both vintage techniques (the 30 Degree inner cut for example) and modern sound. 8X10", 9x12" and 14x16" toms with a 18x22" kick. The shells are made with maple/poplar/maple layers and wear coated heads for a warmer tone. Definitely a great personality here ! « K. 3 » and all « Toms 3 » in the mixer menus belong to the Ludwig Legacy.



# The Sounds

## 2.2 / The Sounds / The Snares



### Tama Stewart Copeland Signature 5x14"

A great modern brass snare with its own character, warm and sharp at the same time. Quite medium tuning, for a good versatility. → « Snare 1 » in the SNARE channel.



### Meazzi copper snare 5x14"

Another vintage sound with a higher tuning. Even if the exact model of this one is unknown, it has a really great sound ! → « Snare 2 » in the SNARE channel.



### Sonor 3007 maple snare 5x14"

A shell made of wood ! This one, very versatile, has a fine low tuning, providing fat center strokes and cutting rimshots. Ideally suited for rock. → « Snare 3 » in the SNARE channel.



### Ludwig Black Beauty LB416 5x14"

A legend! Known and loved by many drummers. It has a perfect balanced sound, both beautiful and dirty, with a really nice attack and a certain vintage personality. This one is also made of brass and medium tuning. → « Snare 4 » in the SNARE channel.



### Pearl free floating maple snare 5x14"

This snare is a kind of bonus snare, with half articulations (read the next chapter for more details), because it is particularly low. The main center sound is so fat !  
→ « Snare 5 » in the SNARE channel.



# The Sounds

## 2.3 / The Sounds / The Cymbals / The Hi-Hats



### Meinl Soundcaster Custom Medium hi-hat 14"

A bright and versatile hit-hat with a quite funky modern sound.  
→ « HH 1 » in the HIHAT channel.



### Zildjian Avedis vintage hi-hat 14"

This one is very used and has got a beautiful vintage tone, perfect for rock.  
→ « HH 2 » in the HIHAT channel.

## 2.3 / The Sounds / The Cymbals / The Right Rides



### Wuhan china 27"

The same massive china cymbal from Alive Cymbals, re-recorded to fit in. Still dirty and growling.  
→ « Ride 1 » in the RIDE 1 channel.



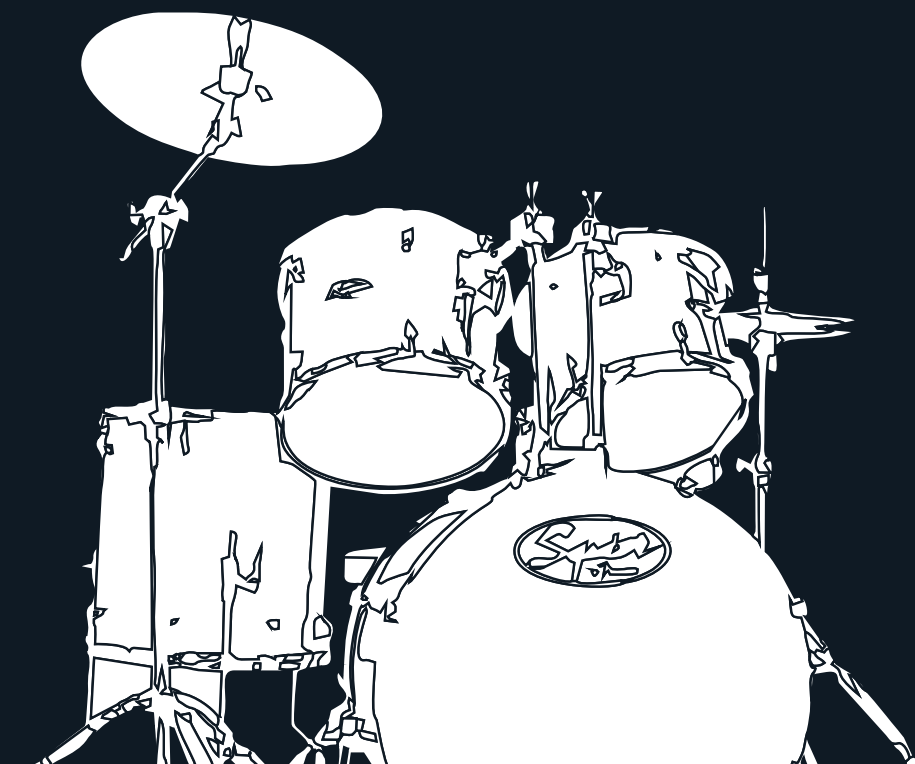
### Zildjian Avedis vintage ride 20"

Another old cymbal with a very vintage sound, always great for rock.  
→ « Ride 2 » in the RIDE 1 channel.



### Paiste Twenty Crash 16"

This crash is also very interesting as a ride. It's got a rich sound, quite bright but not as sharp as a lot of modern cymbals.  
→ « Ride 3 » in the RIDE 1 channel





# The Sounds

## 2.3 / The Sounds / The Cymbals / The Left Rides



### Istanbul Agop Custom Vézir Jazz Ride 22"

A complex, soft, rich, warm and mysterious cymbal. One of my favorite so far !  
→ « Ride 1 » in the RIDE 2 channel.



### Zildjian K Custom Dark Ride 20"

The warmth of the K series with the brightness of modern sound. Rich and versatile.  
→ « Ride 2 » in the RIDE 2 channel.



### Zildjian A Custom Medium Ride 22"

A very thick ride with an extremely clear and crisp stick definition. Very shimmering and loud when crashed. Ultra modern.  
→ « Ride 3 » in the RIDE 2 channel.

## 2.3 / The Sounds / The Cymbals / The Left Crashes



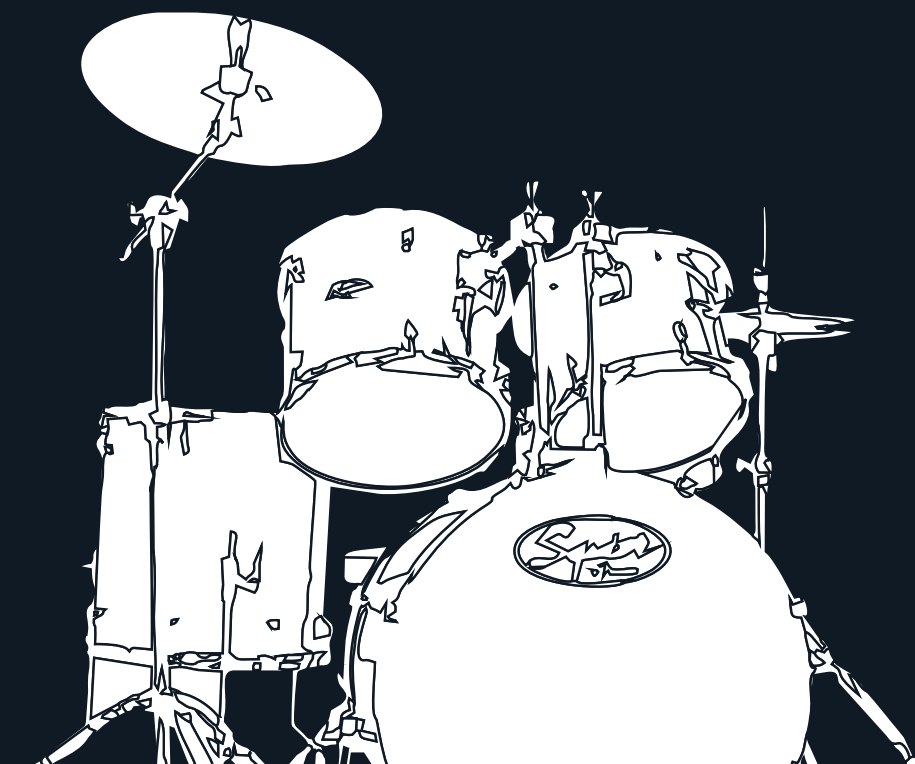
### Meinl Byzance Extra Dry China 18" over Zildjian K Custom Dark Ride 20" stack

A very crispy, trashy and piercing sound with a very short decay. Perfect for accents.  
→ « Crash 1 » in the CRASH L channel.



### Istanbul Agop Signature Cindy Blackman OM Crash 18"

A powerful crash with a rich and warm tone, and always this mysterious and exotic thing from Istanbul.  
→ « Crash 2 » in the CRASH L channel.



# The Sounds

## 2.3 / The Sounds / The Cymbals / The Centre Crashes



### Sabian HHX Evolution Splash 10"

Fast response, dark and sandy tones.  
→ « Crash 1 » in the CRASH C channel.



### Zildjian A Custom Splash 8"

A shiny modern splash with a funky sound.  
→ « Crash 2 » in the CRASH C channel



### Meinl Byzance Thin Crash 14" (muffled)

This one has been muffled with a bit of adhesive tape. This technique provides a warmer sound with a faster decay.  
→ « Crash 3 » in the CRASH C channel.

## 2.3 / The Sounds / The Cymbals / The Right Crashes



### Meinl Byzance Extra Dry China 18"

This china is one of the most beautiful sound I've ever heard. It's not a very loud one but it has a very wide and sweet tone.  
→ « Crash 1 » in the CRASH R channel.



### Zildjian K custom Dark Crash 16"

A clean and shiny modern sound with the warmth of the K series. Very polyvalent.  
→ « Crash 2 » in the CRASH R channel.



# The Instrument

## 3.0 / Velocity Layers and Articulations

There is 6 random robins for everything in AUD.

Here are the articulations per instrument, and the number of velocity layers. If a box is empty, that means there is no articulation for the related instrument.

Drum	Basic Hit (Centre of Head)	Rimshot Centre
Gretsch New Classic Kick	6	-
Gretsch New Classic Tom 1	6	4
Gretsch New Classic Tom 2	6	4
Sonor 3007 Kick	6	-
Sonor 3007 Kick (without front head)	7	-
Sonor 3007 Tom 1	6	4
Sonor 3007 Tom 2	6	4
Sonor 3007 Tom 3	6	4
Ludwig Legacy Kick	7	-
Ludwig Legacy Tom 1	6	4
Ludwig Legacy Tom 2	6	4
Ludwig Legacy Tom 3	6	4

Drum	Basic Hit (head centre)	Head Edge	Rimshot Centre	Rimshot Edge	Cross Stick	Buzz
Tama Stewart Copeland 14x5	8	4	8	4	6	6
Ludwig Black Beauty 14x5	8	4	8	4	6	6
Meazzi Brass Snare 14x5	8	4	8	4	6	6
Sonor 3007 Maple Snare 14x5 Low-Med	8	4	8	-	6	6
Pearl Free Floating Maple Snare 14x5 Low	8	-	5	-	6	-

Drum	Tip to Edge (closed)	Pedal Close	Pedal Close-Open	Open Bell	Edge Open 25%	Edge Open 50%	Edge Open 100%
Meinl Soundcaster Medium HH 14	8	3	3	4	4	4	4
Zildjian Avedis Vintage HH 14	8	3	3	4	4	4	4





# The Instrument

## 3.0 / Velocity Layers and Articulations

Drum	Ride	Bell	Bell
Wuhan China 27	6	3	3
Istanbul Agop Custom Vezir Jazz Ride 22	6	3	3
Zildjian Avedis Vintage Ride 20	6	3	3
Zildjian K Custom Dark Ride 20	4	3	3
Zildjian Custom Medium Ride 22	4	3	3
Paiste Twenty Crash 16	4	3	3

Drum	Crash	Crash Shock	Crash Ride For The Stack
Meinl Byzance Extra Dry China 18 / Zildjian K Custom Dark Ride 20	4	-	3
Sabian HHX Evolution Splash 10	4	1	-
Meinl Byzance Extra Dry China 18	4	1	-
Meinl Byzance Thin Crash 14 Muffled	4	1	-
Zildjian A Custom Splash 8	4	1	-
Istanbul Agop Signature Cindy Blackman OM Crash 18	4	1	-
Zildjian K Custom Dark Crash 16	4	1	-



# The Instrument

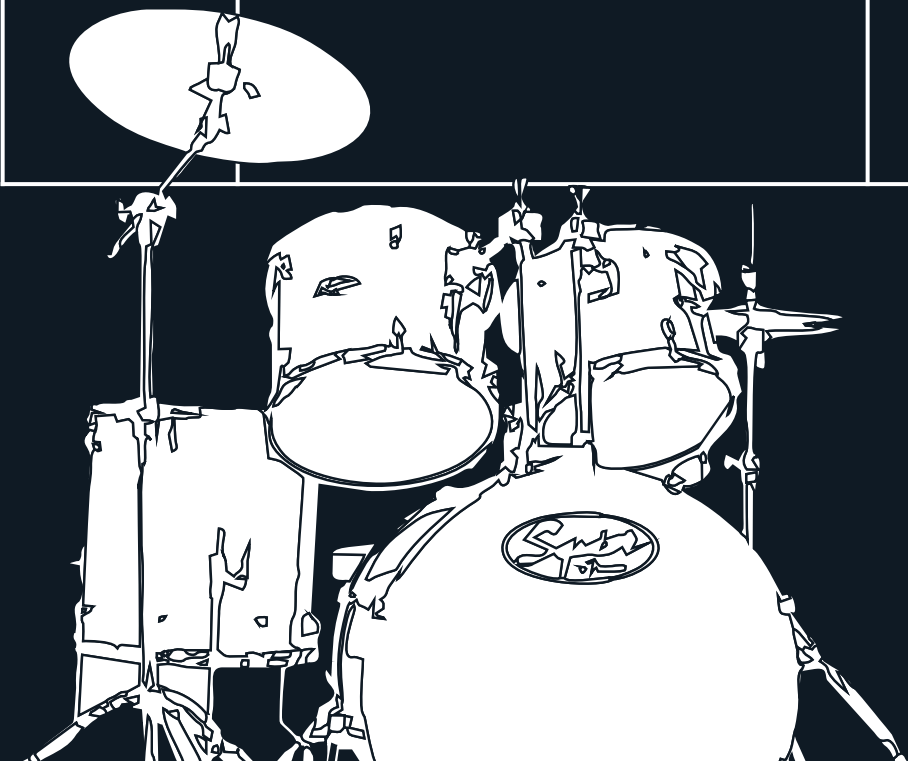
## 4.0 / Mapping

### Kicks

Channel	Articulation	Note	Drums
A	Basic Hit	C1	GNC Kick S3007 Kick S3007 Kick WFH Ludwig Legacy Kick

### Snares

Channel	Articulation	Note	Drums
B	Head Centre	D1 / C3	Tama Stewart Copeland 14 x 05 Meazzi Brass 14 x 05 Sonor 3007 Maple 14 x 05 Ludwig Black Beauty 14 x 05 Pearl Free Floating Maple 14 x 05 Low Tuned
	Head Edge	C#3	Tama Stewart Copeland 14 x 05 Meazzi Brass 14 x 05 Sonor 3007 Maple 14 x 05 Ludwig Black Beauty 14 x 05
	Rimshot Centre	E1 / D3	Tama Stewart Copeland 14 x 05 Meazzi Brass 14 x 05 Sonor 3007 Maple 14 x 05 Ludwig Black Beauty 14 x 05 Pearl Free Floating Maple 14 x 05 Low Tuned
	Rimshot Edge	D#3	Tama Stewart Copeland 14 x 05 Meazzi Brass 14 x 05 Ludwig Black Beauty 14 x 05
	Cross Stick	C#1 / E3	Tama Stewart Copeland 14 x 05 Meazzi Brass 14 x 05 Sonor 3007 Maple 14 x 05 Ludwig Black Beauty 14 x 05 Pearl Free Floating Maple 14 x 05 Low Tuned
	Buzz (Edit Release)	F3	Tama Stewart Copeland 14 x 05 Meazzi Brass 14 x 05 Sonor 3007 Maple 14 x 05 Ludwig Black Beauty 14 x 05



# The Instrument

## 4.0 / Mapping

### Tom 1

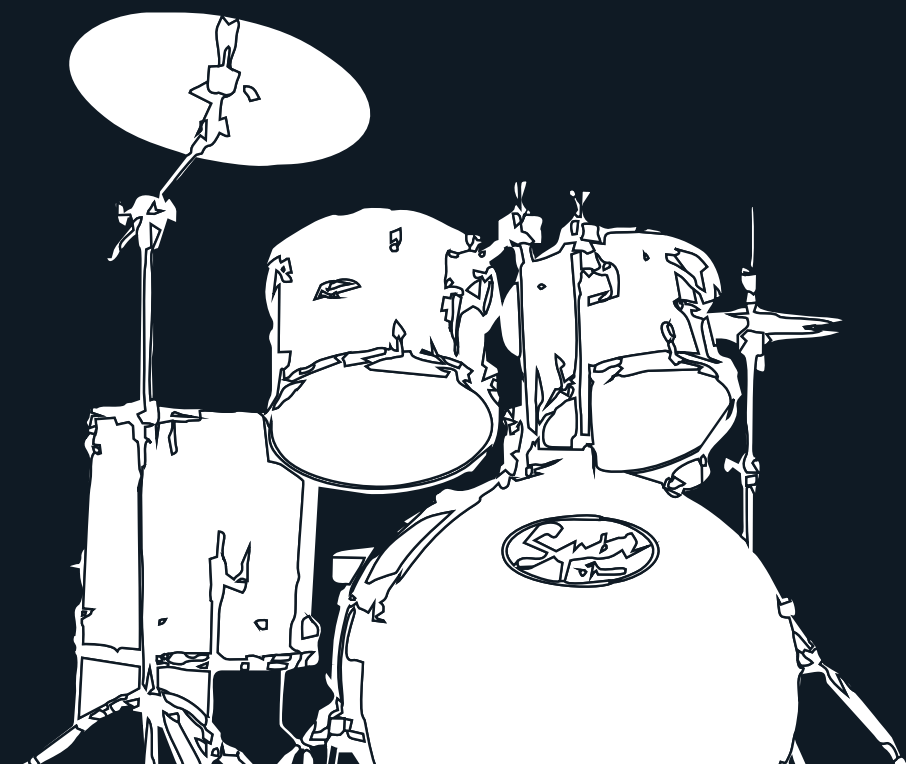
Channel	Articulation	Note	Drums
C	Head Centre	C2 / D2 / E4	Gretsch New Classic Tom 1 Sonor 3007 Tom 1 Ludwig Legacy Tom 1
	Rimshot Centre	F4	Gretsch New Classic Tom 1 Sonor 3007 Tom 1 Ludwig Legacy Tom 1

### Tom 2

Channel	Articulation	Note	Drums
D	Head Centre	A1 / B1 / F#4	Sonor 3007 Tom 2 Ludwig Legacy Tom 2
	Rimshot Centre	G4	Sonor 3007 Tom 2 Ludwig Legacy Tom 2

### Tom 3

Channel	Articulation	Note	Drums
e	Head Centre	F1 / G1 / F#4	Gretsch New Classic Tom 3 Sonor 3007 Tom 3 Ludwig Legacy Tom 3
	Rimshot Centre	A4	Gretsch New Classic Tom 3 Sonor 3007 Tom 3 Ludwig Legacy Tom 3





# The Instrument

## 4.0 / Mapping

### Hi-Hat

Channel	Articulation	Note	Drums
F	Tip to Edge (closed)	F#1 / G3	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Pedal Closed	G#1 / G#3	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Edge open at 25%	B3	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Cross-fade between 25% and 50%	C4	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Edge Open at 50%	C#4	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Cross-fade between 50% and 100%	D4	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Edge Open at 100%	A#1 / D#4	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Pedal Close-Open	A3	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14
	Open Bell	A#3	Meinl Soundcaster Medium HH 14 Zildjian Avedis Vinatge HH 14



# The Instrument

## 4.0 / Mapping

### Ride Left

Channel	Articulation	Note	Drums
G	Ride	D#2 / A#4	Istanbul Agop Custom Vezir Jazz Ride 22 Zildjian K Custom Dark Ride 20 Zildjian A Custom Dark Ride 22
	Bell	F2 / B4	Istanbul Agop Custom Vezir Jazz Ride 22 Zildjian K Custom Dark Ride 20 Zildjian A Custom Dark Ride 22
	Crash	C5	Istanbul Agop Custom Vezir Jazz Ride 22 Zildjian K Custom Dark Ride 20 Zildjian A Custom Dark Ride 22

### Ride Right

Channel	Articulation	Note	Drums
H	Ride	B2 / C#5	Wuhan China 27 Zildjian Avedis Vintage Ride 20 Paiste 20 Crash 16
	Bell	D5	Wuhan China 27 Zildjian Avedis Vintage Ride 20 Paiste 20 Crash 16
	Crash	D#5	Wuhan China 27 Zildjian Avedis Vintage Ride 20 Paiste 20 Crash 16



# The Instrument

## 4.0 / Mapping

### Crash Left

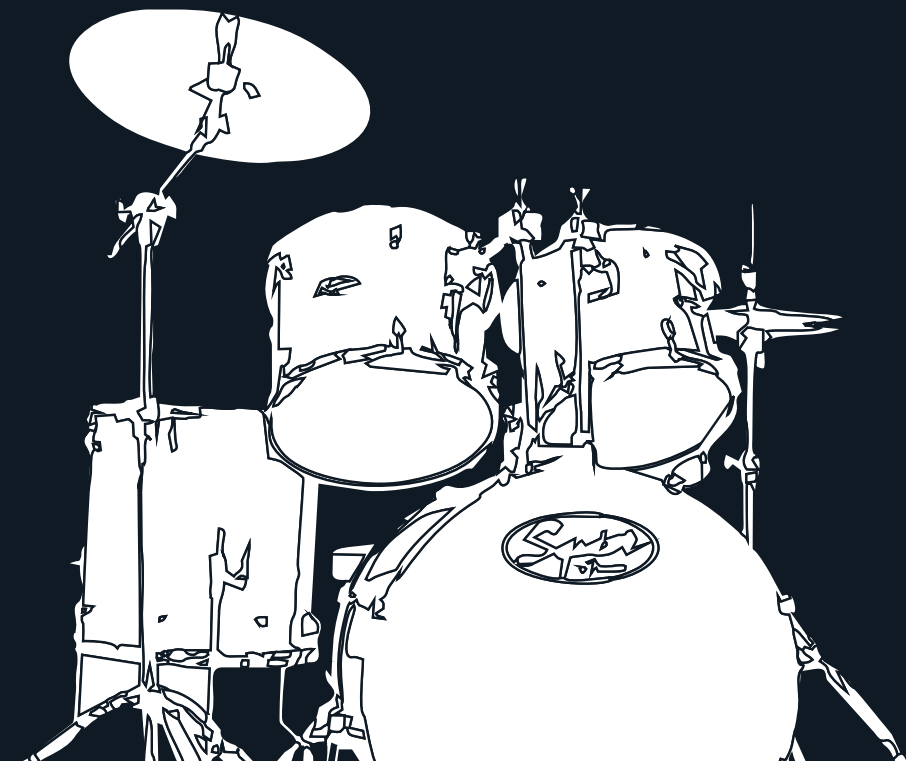
Channel	Articulation	Note	Drums
I	Crash	A2 / E5	Meinl Byzance Extra Dry China / Zildjian K Custom Dark Ride 20 Istanbul Agop Signature Cindy Blackman OM Crash 18
	Crash Shock	F5	Meinl Byzance Extra Dry China / Zildjian K Custom Dark Ride 20 Istanbul Agop Signature Cindy Blackman OM Crash 18

### Crash Centre

Channel	Articulation	Note	Drums
J	Crash	E2 / F#5	Sabian HHX Evolution Splash 10 Zildjian A Custom Splash 8 Meinl Byzance Thin Crash 14 Muffled
	Crash Shock	G5	Sabian HHX Evolution Splash 10 Zildjian A Custom Splash 8 Meinl Byzance Thin Crash 14 Muffled

### Crash Right

Channel	Articulation	Note	Drums
K	Crash	C#2 / G#5	Meinl Byzance Extra Dry China 18 Zildjian K Custom Dark Crash 16
	Crash Shock	A5	Meinl Byzance Extra Dry China 18 Zildjian K Custom Dark Crash 16





# The Patches

## 5.0 / The Patchlist

We have prepared for you several patches so you can quickly explore AUD possibilities and have fun with a lot of different kind of sounds. Here's a short description of each one :

Patch Name	Description
00_aud_k4_main_raw	Alive Underground Drums with raw, pure sound.
01_aud_k4_main_stereomadness	Stereo Modeler used to expand horizontally the drum.
02_aud_k4_main_gated	Poor dynamic with a quick release to simulate a noise gate effect.
03_aud_k4_main_boost	A little bit of EQ and comp.
04_aud_k4_main_slap	More EQ and comp to get a snapping sound.
05_aud_k4_fx_fat	Pitched to one octave down with comp and EQ.
06_aud_k4_fx_tiny	ADSR with a very short decay and tuned to one octave up.
07_aud_k4_fx_jungle	Between the boost and the tiny kits.
08_aud_k4_fx_far_away	No attack and a bit of air absorption to have a drum far away.
09_aud_k4_fx_dirty	Guitar stack ahead !
10_aud_k4_fx_submarine	Almost deaf sound.
11_aud_k4_fx_low-fi	Gameboy style
12_aud_k4_fx_wobble	Funny harmonics and delays, quite psychedelic.
13_aud_k4_fx_hell_maelstrom	The drum to rule them all.
14_aud_k4_multi_harmodrum	A multi with 3 AUD loaded, harmonised -12, 0, +12 semitones.
15_aud_k4_all_kicks	A bonus patch with all AUD kicks loaded
16_aud_k4_all_snares	A bonus patch with all AUD snares loaded
17_aud_k4_all_toms	A bonus patch with all AUD toms loaded
18_aud_k4_all_cymbals	A bonus patch with all AUD cymbals loaded

\* \* Tip \* \*

You can rework any effect by clicking the wrench in the header and open the « InsertEffects » tab below.



# Acknowledgements

## 6.0 / Credits

Nicolas Signat	Drum Technician / Player, Sound Engineer, Sound Editor and Designer
David Healey	Scripting, Programming, Technical Support
Glyn Lloyd [Sampleism]	GUI Design, Co-ordinator

Alive Underground Drums is available exclusively at [Sampleism.com](https://sampleism.com)

